

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY070723\
 Data File : VY014605.D
 Acq On : 07 Jul 2023 18:30
 Operator : KP/MD
 Sample : 03555-11
 Misc : 5.07g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VNJ-240

Quant Time: Jul 08 03:48:46 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y063023S.M
 Quant Title : SW846 8260
 QLast Update : Fri Jun 30 19:02:11 2023
 Response via : Initial Calibration

Compound	R.T. QIon		Response	Conc	Units	Dev(Min)

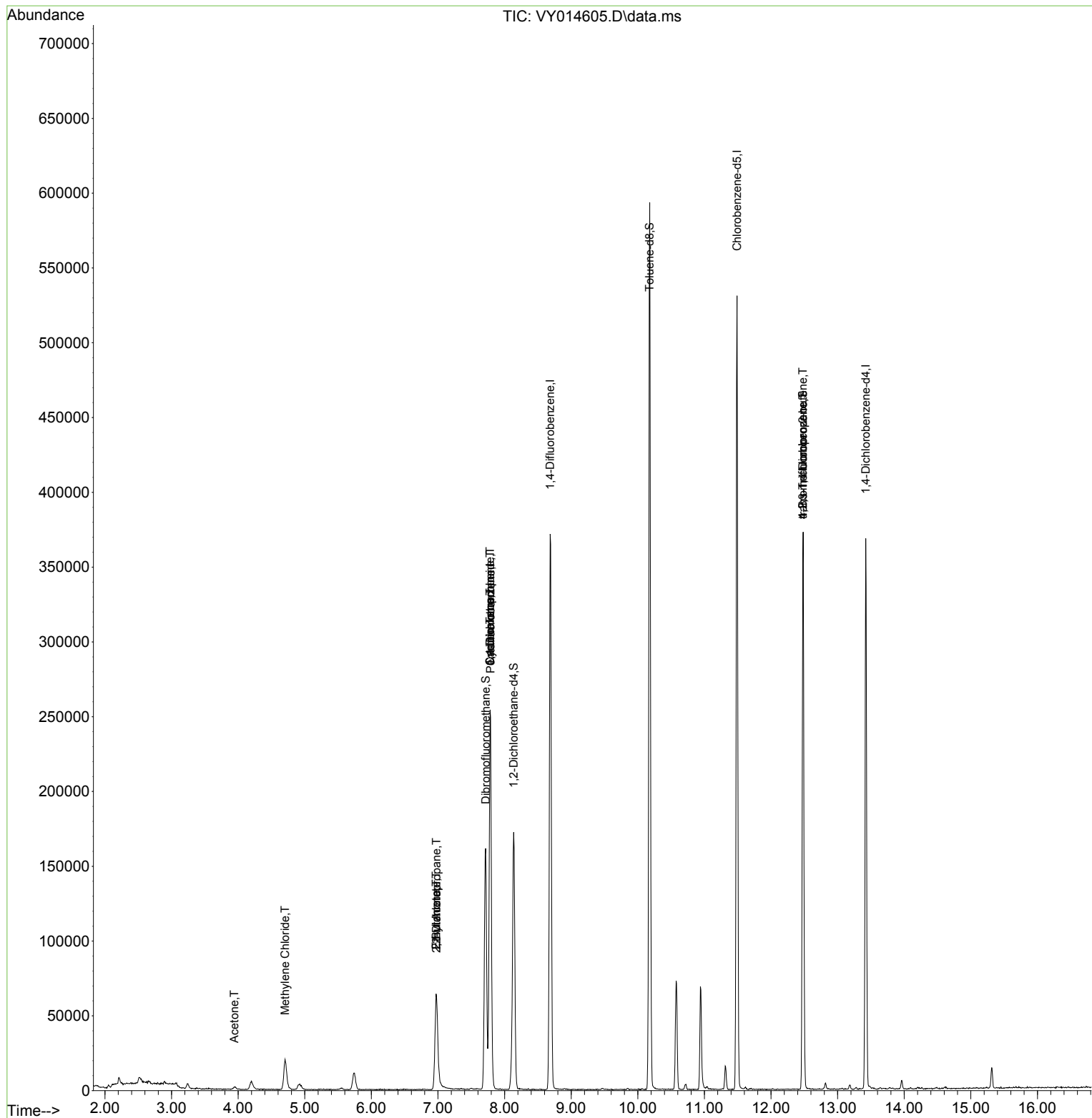
Internal Standards						
1) Pentafluorobenzene	7.789	168	212313	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.685	114	334367	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	302496	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	102923	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.136	65	133071	63.005	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 126.020%	
35) Dibromofluoromethane	7.716	113	114940	55.822	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 111.640%	
50) Toluene-d8	10.179	98	405622	49.833	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 99.660%	
62) 4-Bromofluorobenzene	12.477	95	107763	38.127	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	= 76.260%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.900	85	166	Below Cal	#	43
11) Tert butyl alcohol	4.924	59	4330	Below Cal	#	89
16) Acetone	3.942	43	2891	4.383	ug/l	92
20) Methylene Chloride	4.704	84	14810	1.161	ug/l #	88
25) 2-Butanone	6.972	43	3583	3.669	ug/l #	78
26) 2,2-Dichloropropane	6.978	77	4836	1.461	ug/l #	54
31) Cyclohexane	7.783	56	3852	1.163	ug/l #	1
36) 1,1-Dichloropropene	7.783	75	15697	4.978	ug/l #	48
37) Ethyl Acetate	6.972	43	3583	1.657	ug/l #	1
38) Carbon Tetrachloride	7.783	117	18568	5.641	ug/l #	16
76) 1,2,3-Trichloropropane	12.477	75	51710	42.815	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.477	75	51710	83.335	ug/l #	11

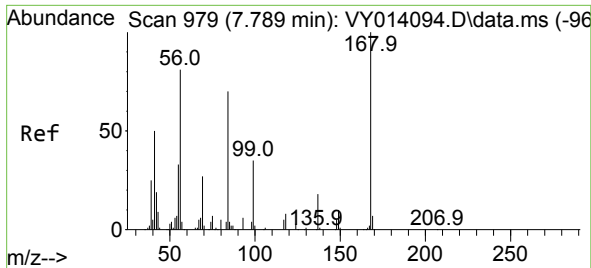
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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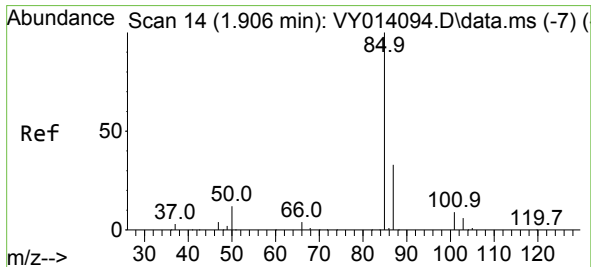
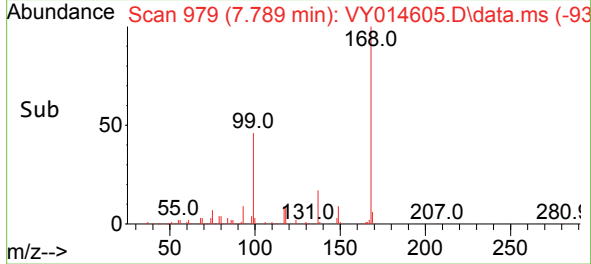
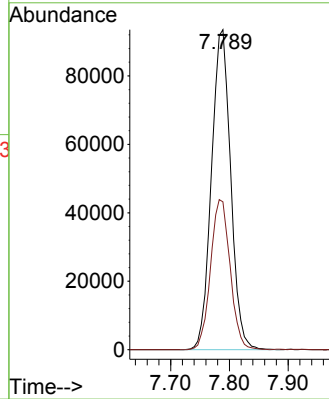
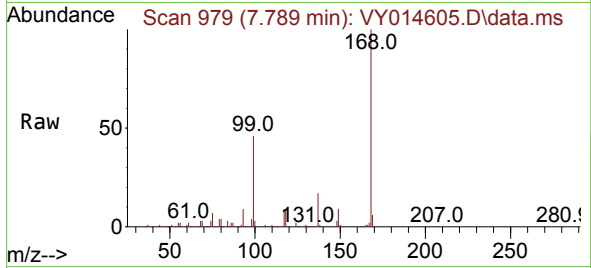




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY014605.D
Acq: 07 Jul 2023 18:30

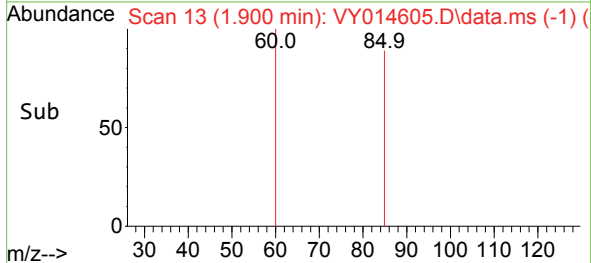
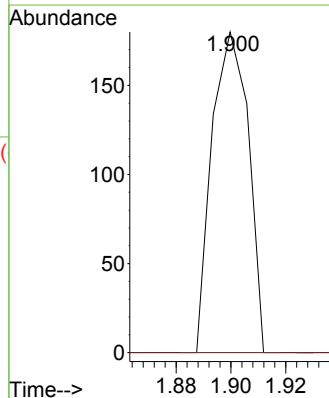
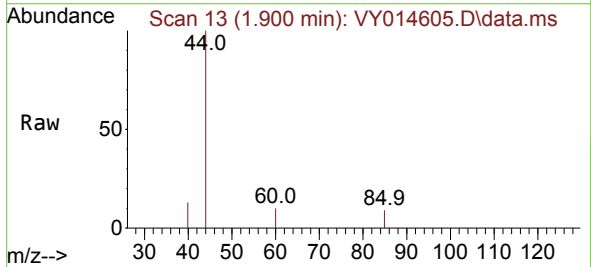
Instrument :
MSVOA_Y
ClientSampleId :
VNJ-240

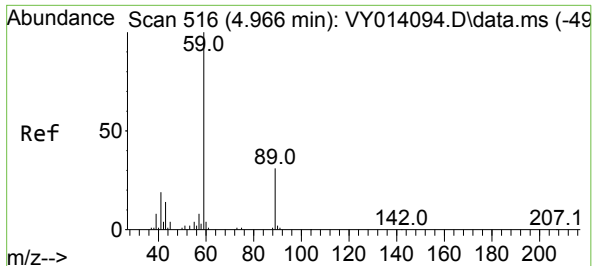
Tgt Ion:168 Resp: 212313
Ion Ratio Lower Upper
168 100
99 46.2 43.4 65.0



#2
Dichlorodifluoromethane
Concen: Below Cal
RT: 1.900 min Scan# 13
Delta R.T. -0.006 min
Lab File: VY014605.D
Acq: 07 Jul 2023 18:30

Tgt Ion: 85 Resp: 166
Ion Ratio Lower Upper
85 100
87 0.0 15.6 46.8#

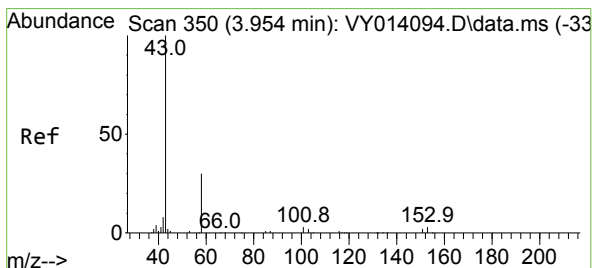
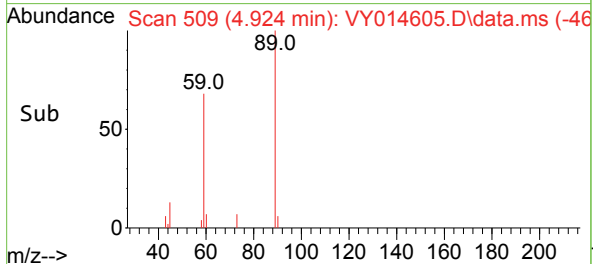
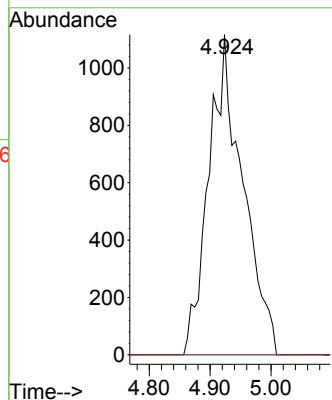
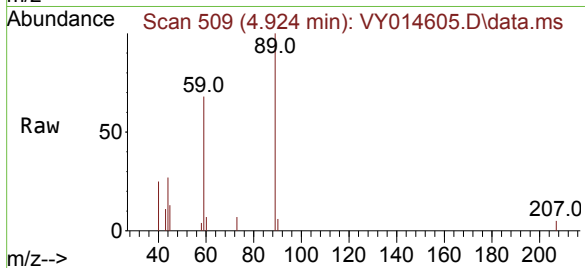




#11
Tert butyl alcohol
Concen: Below Cal
RT: 4.924 min Scan# 509
Delta R.T. -0.042 min
Lab File: VY014605.D
Acq: 07 Jul 2023 18:30

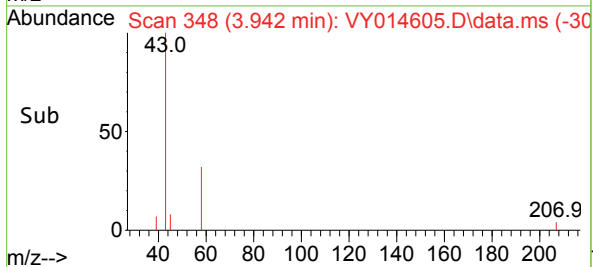
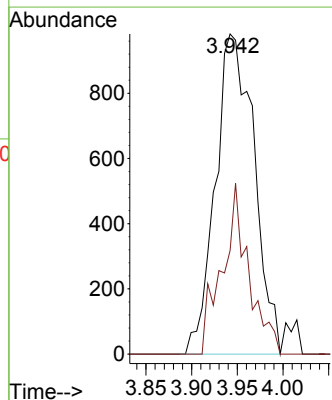
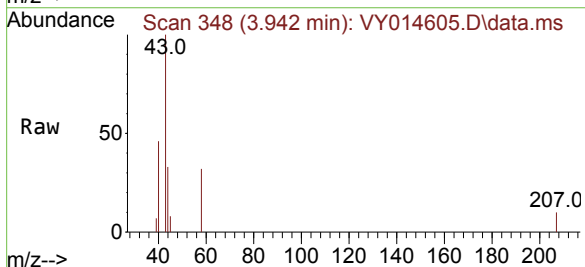
Instrument :
MSVOA_Y
ClientSampleId :
VNJ-240

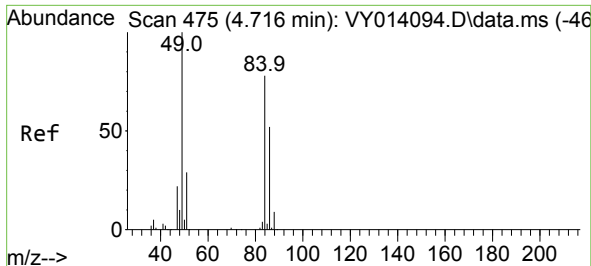
Tgt Ion: 59 Resp: 4330
Ion Ratio Lower Upper
59 100
57 0.0 3.0 4.4#



#16
Acetone
Concen: 4.383 ug/l
RT: 3.942 min Scan# 348
Delta R.T. -0.012 min
Lab File: VY014605.D
Acq: 07 Jul 2023 18:30

Tgt Ion: 43 Resp: 2891
Ion Ratio Lower Upper
43 100
58 32.4 22.7 34.1

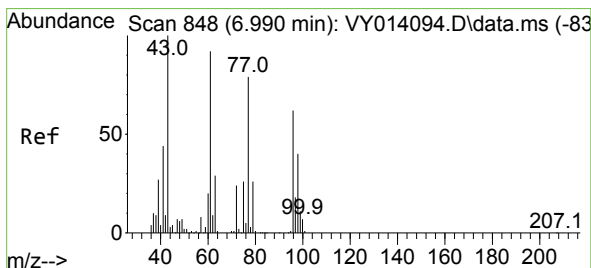
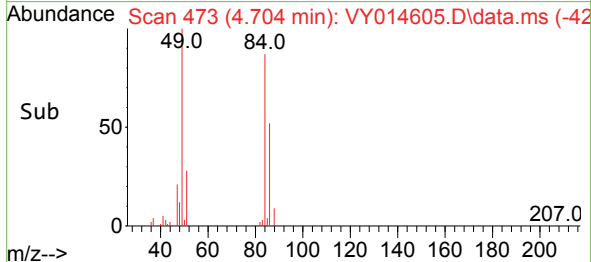
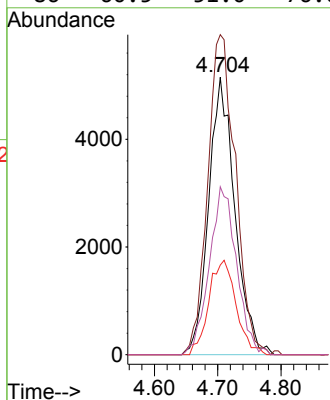
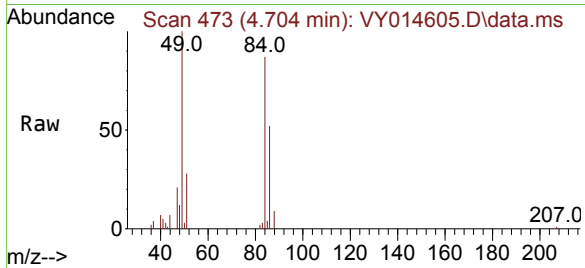




#20
Methylene Chloride
Concen: 1.161 ug/l
RT: 4.704 min Scan# 41
Delta R.T. -0.012 min
Lab File: VY014605.D
Acq: 07 Jul 2023 18:30

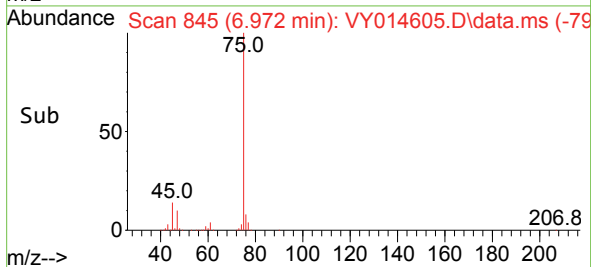
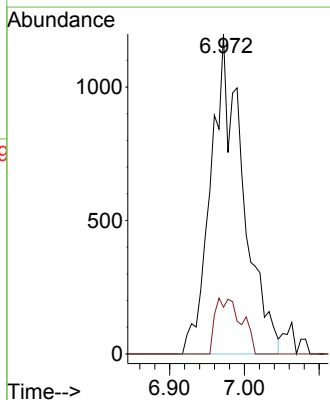
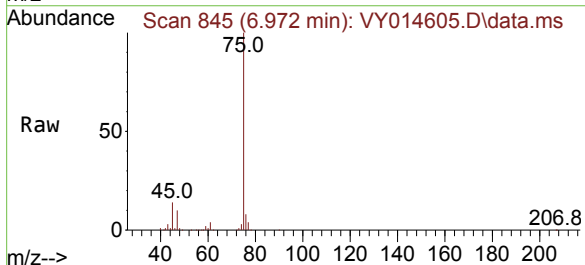
Instrument :
MSVOA_Y
ClientSampleId :
VNJ-240

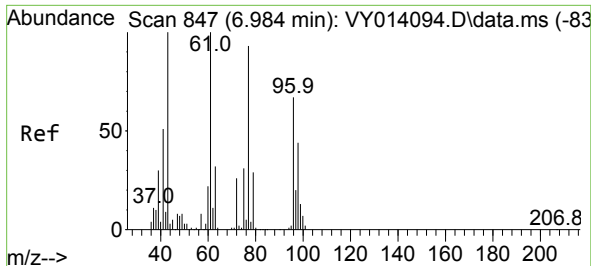
Tgt Ion: 84 Resp: 14810
Ion Ratio Lower Upper
84 100
49 115.3 106.9 160.3
51 32.3 33.2 49.8#
86 60.5 51.0 76.6



#25
2-Butanone
Concen: 3.669 ug/l
RT: 6.972 min Scan# 845
Delta R.T. -0.018 min
Lab File: VY014605.D
Acq: 07 Jul 2023 18:30

Tgt Ion: 43 Resp: 3583
Ion Ratio Lower Upper
43 100
72 14.6 20.5 30.7#

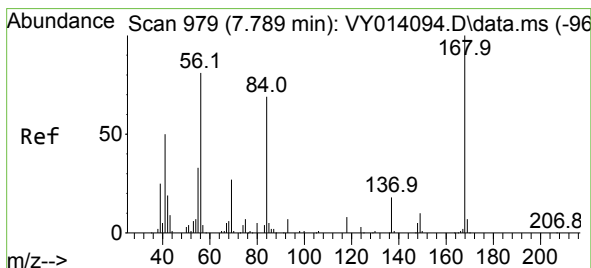
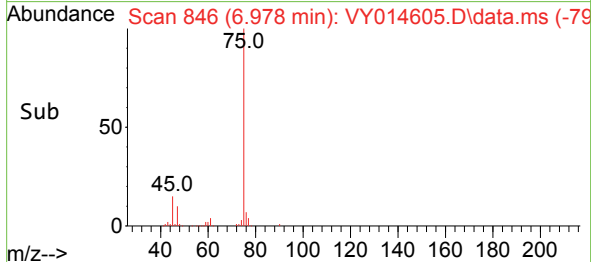
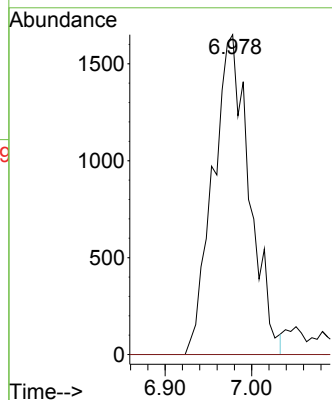
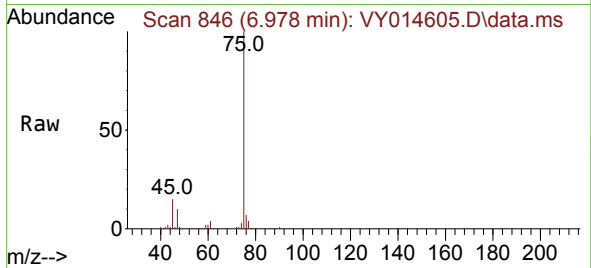




#26
2,2-Dichloropropane
Concen: 1.461 ug/l
RT: 6.978 min Scan# 84
Delta R.T. -0.006 min
Lab File: VY014605.D
Acq: 07 Jul 2023 18:30

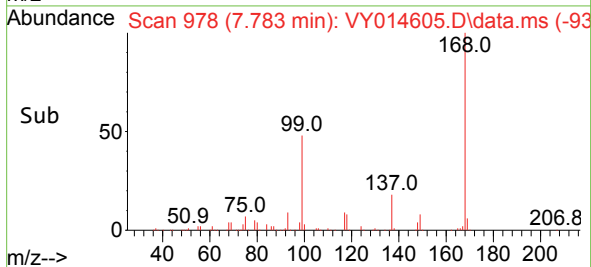
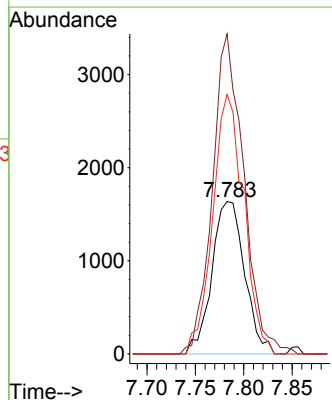
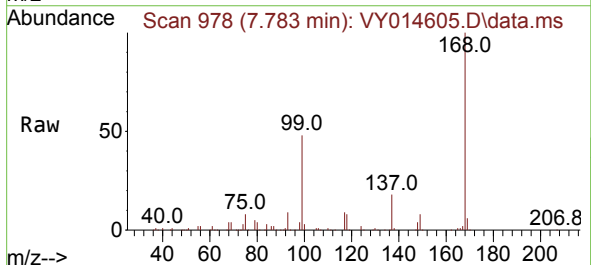
Instrument :
MSVOA_Y
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VNJ-240

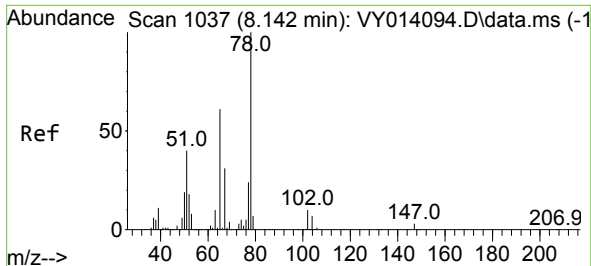
Tgt Ion: 77 Resp: 4836
Ion Ratio Lower Upper
77 100
97 0.0 10.9 32.9#



#31
Cyclohexane
Concen: 1.163 ug/l
RT: 7.783 min Scan# 978
Delta R.T. -0.006 min
Lab File: VY014605.D
Acq: 07 Jul 2023 18:30

Tgt Ion: 56 Resp: 3852
Ion Ratio Lower Upper
56 100
69 209.9 27.8 41.6#
84 170.2 66.4 99.6#

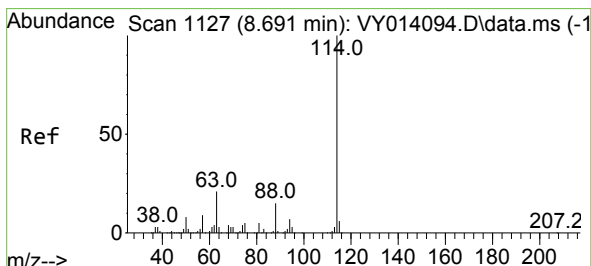
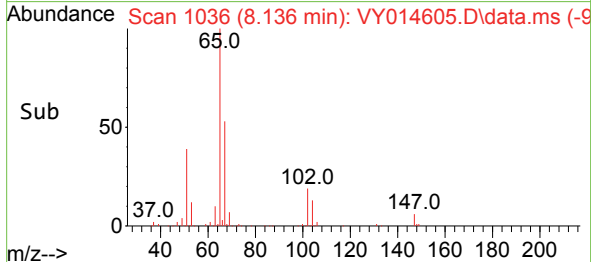
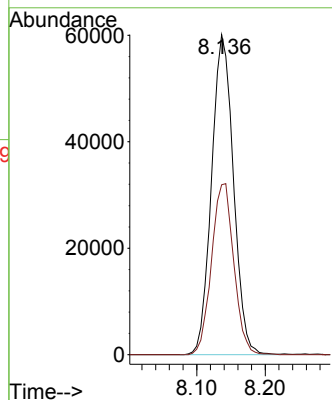
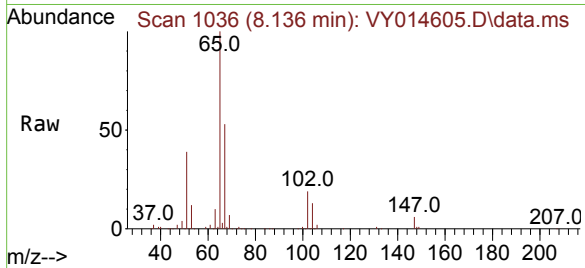




#33
 1,2-Dichloroethane-d4
 Concen: 63.005 ug/l
 RT: 8.136 min Scan# 1037
 Delta R.T. -0.006 min
 Lab File: VY014605.D
 Acq: 07 Jul 2023 18:30

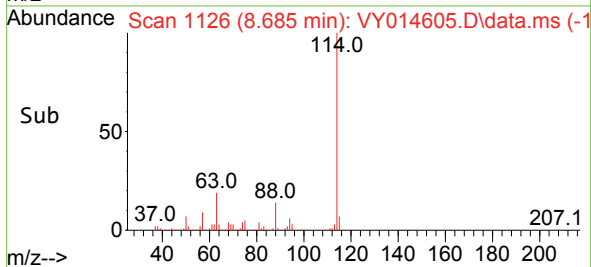
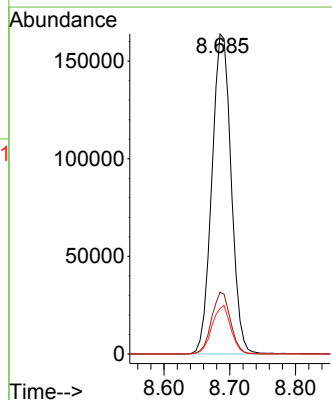
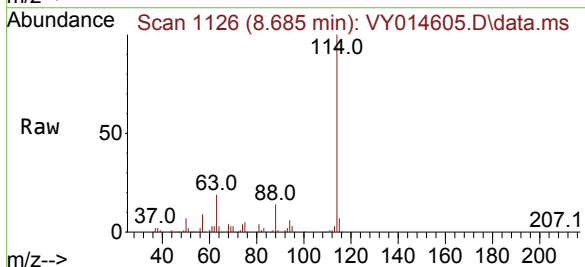
Instrument :
 MSVOA_Y
 ClientSampleId :
 VNJ-240

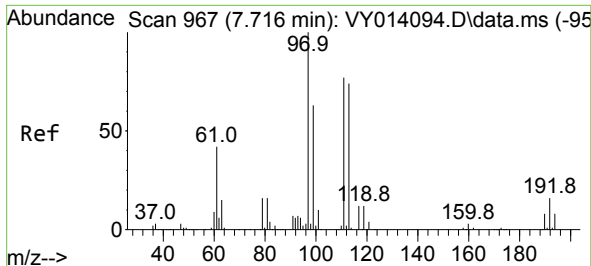
Tgt Ion: 65 Resp: 133071
 Ion Ratio Lower Upper
 65 100
 67 54.4 0.0 101.8



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.685 min Scan# 1126
 Delta R.T. -0.006 min
 Lab File: VY014605.D
 Acq: 07 Jul 2023 18:30

Tgt Ion: 114 Resp: 334367
 Ion Ratio Lower Upper
 114 100
 63 19.3 0.0 42.4
 88 14.2 0.0 30.6

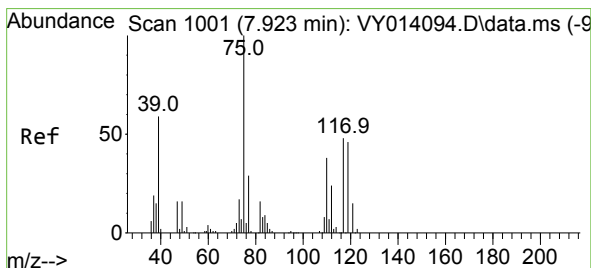
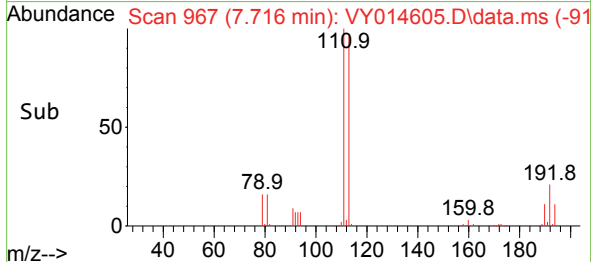
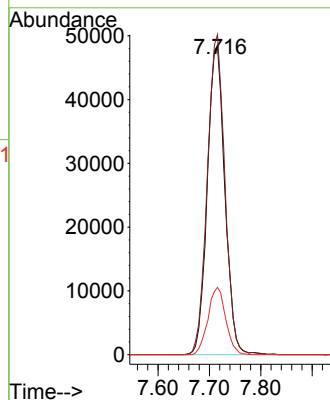
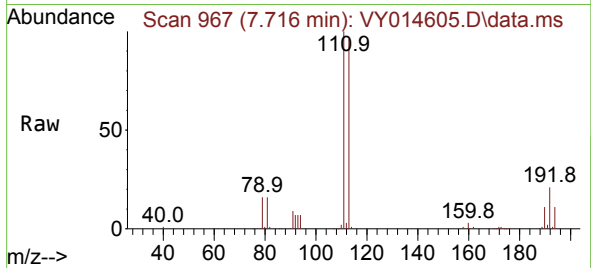




#35
Dibromofluoromethane
Concen: 55.822 ug/l
RT: 7.716 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY014605.D
Acq: 07 Jul 2023 18:30

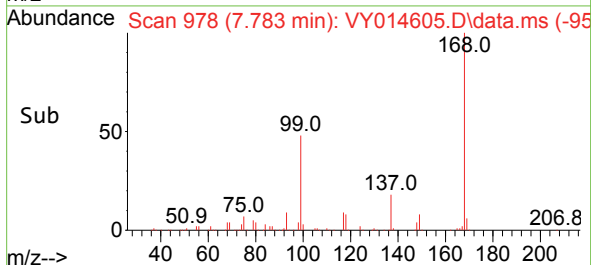
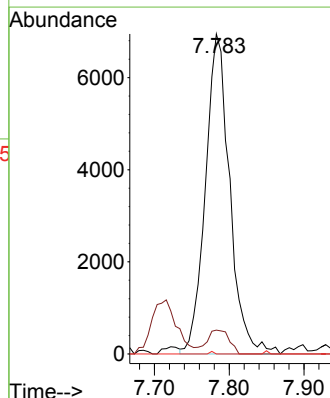
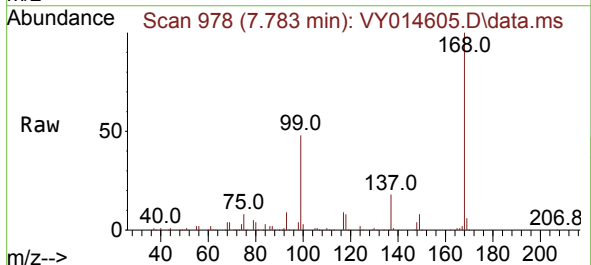
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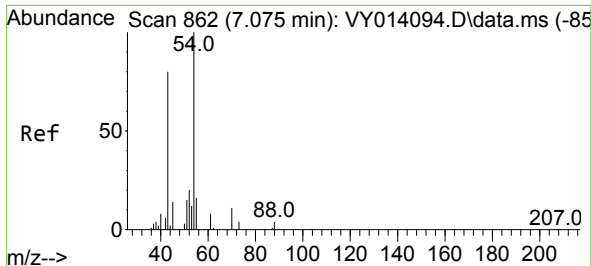
Tgt Ion:113 Resp: 114940
Ion Ratio Lower Upper
113 100
111 103.9 81.3 121.9
192 22.0 16.9 25.3



#36
1,1-Dichloropropene
Concen: 4.978 ug/l
RT: 7.783 min Scan# 978
Delta R.T. -0.140 min
Lab File: VY014605.D
Acq: 07 Jul 2023 18:30

Tgt Ion: 75 Resp: 15697
Ion Ratio Lower Upper
75 100
110 7.0 17.8 53.5#
77 0.1 24.4 36.6#





#37

Ethyl Acetate

Concen: 1.657 ug/l

RT: 6.972 min Scan# 84

Delta R.T. -0.103 min

Lab File: VY014605.D

Acq: 07 Jul 2023 18:30

Instrument :

MSVOA_Y

ClientSampleId :

VNJ-240

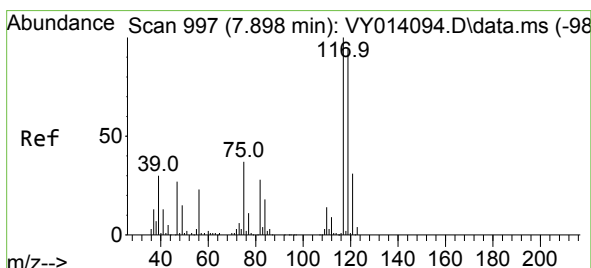
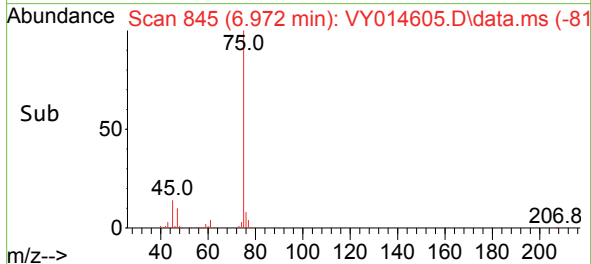
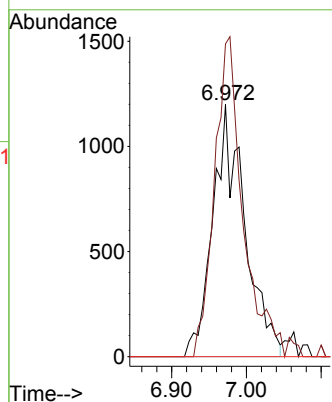
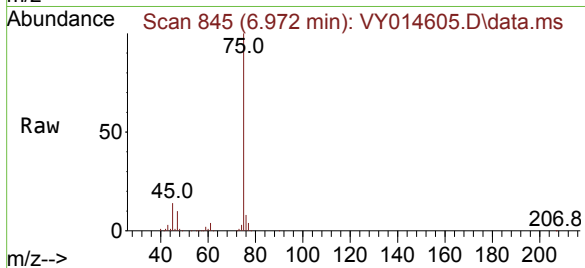
Tgt Ion: 43 Resp: 3583

Ion Ratio Lower Upper

43 100

61 112.0 10.1 15.1#

70 0.0 7.1 10.7#



#38

Carbon Tetrachloride

Concen: 5.641 ug/l

RT: 7.783 min Scan# 978

Delta R.T. -0.115 min

Lab File: VY014605.D

Acq: 07 Jul 2023 18:30

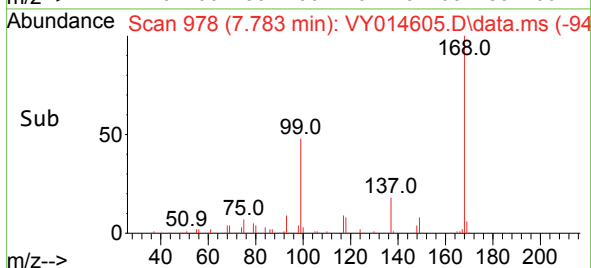
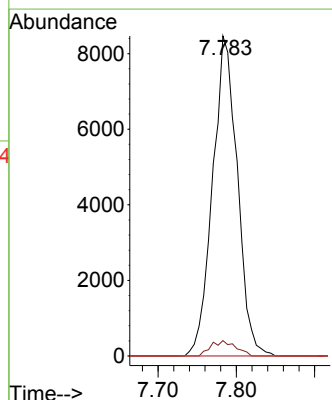
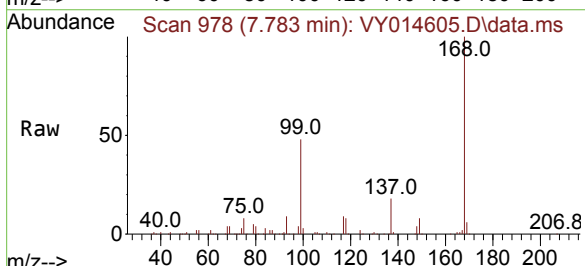
Tgt Ion: 117 Resp: 18568

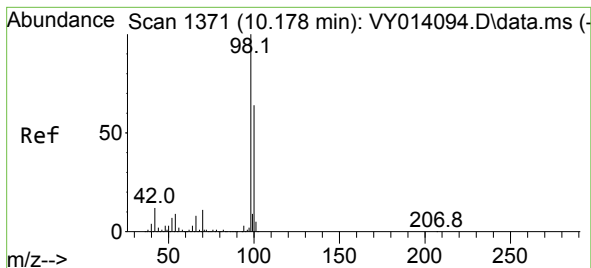
Ion Ratio Lower Upper

117 100

119 4.8 76.4 114.6#

121 0.0 25.8 38.6#

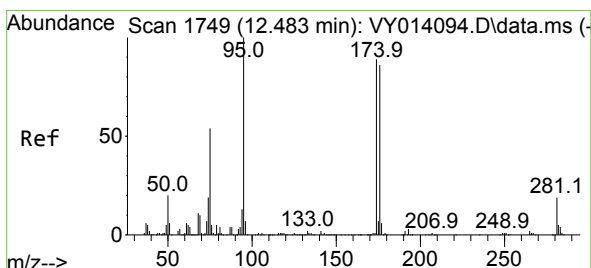
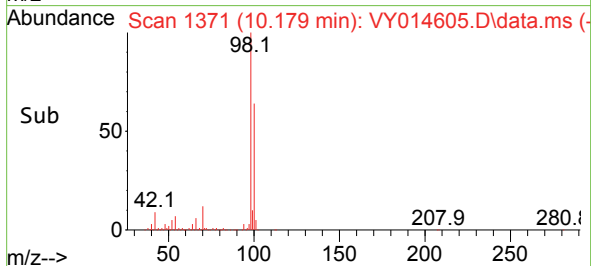
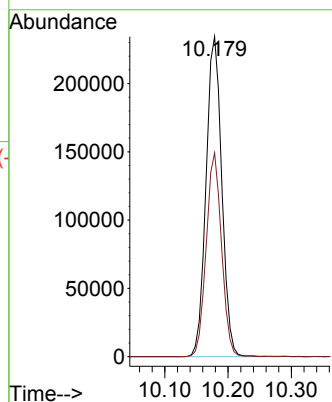
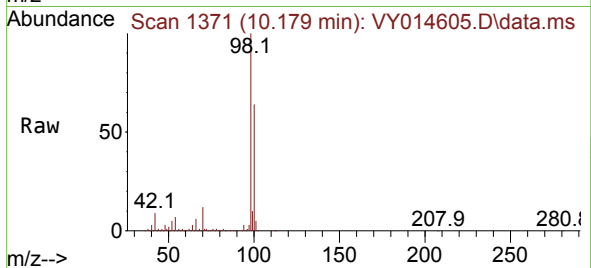




#50
Toluene-d8
Concen: 49.833 ug/l
RT: 10.179 min Scan# 11
Delta R.T. 0.001 min
Lab File: VY014605.D
Acq: 07 Jul 2023 18:30

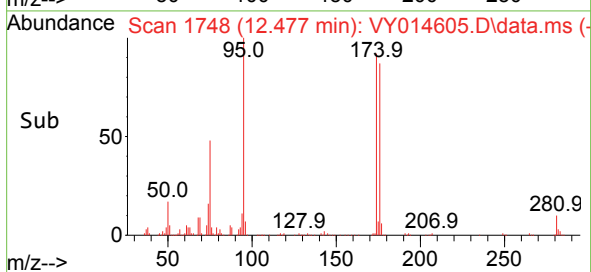
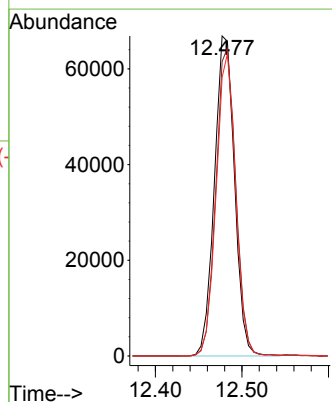
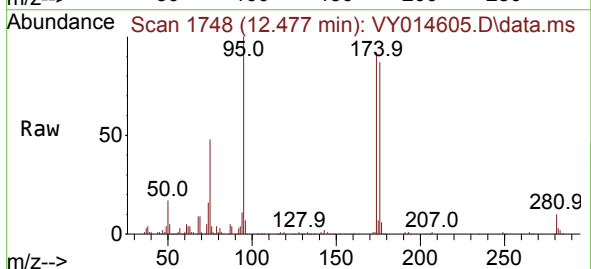
Instrument :
MSVOA_Y
ClientSampleId :
VNJ-240

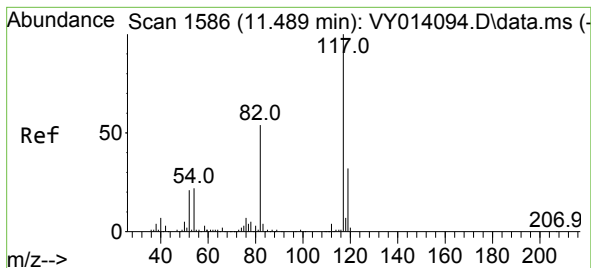
Tgt Ion: 98 Resp: 405622
Ion Ratio Lower Upper
98 100
100 62.0 50.1 75.1



#62
4-Bromofluorobenzene
Concen: 38.127 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. -0.006 min
Lab File: VY014605.D
Acq: 07 Jul 2023 18:30

Tgt Ion: 95 Resp: 107763
Ion Ratio Lower Upper
95 100
174 95.5 0.0 178.2
176 91.7 0.0 173.8





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.489 min Scan# 11

Delta R.T. 0.000 min

Lab File: VY014605.D

Acq: 07 Jul 2023 18:30

Instrument :

MSVOA_Y

ClientSampleId :

VNJ-240

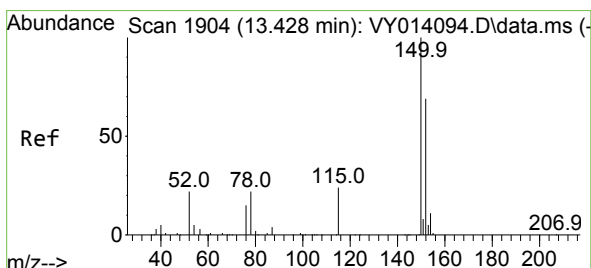
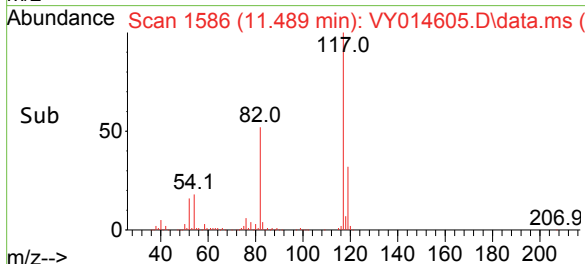
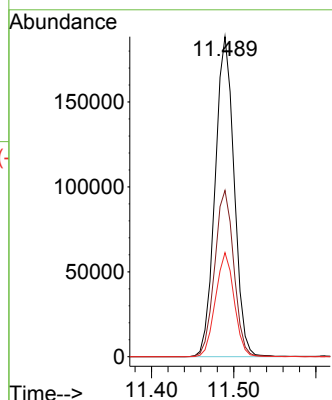
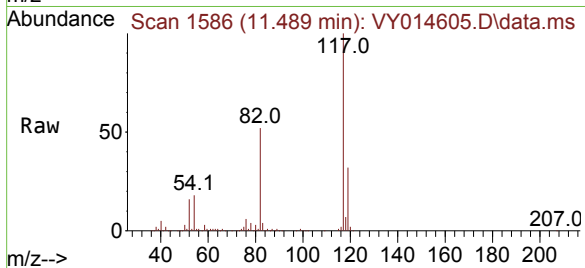
Tgt Ion:117 Resp: 302496

Ion Ratio Lower Upper

117 100

82 51.9 43.4 65.0

119 32.5 26.3 39.5



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.422 min Scan# 1903

Delta R.T. -0.006 min

Lab File: VY014605.D

Acq: 07 Jul 2023 18:30

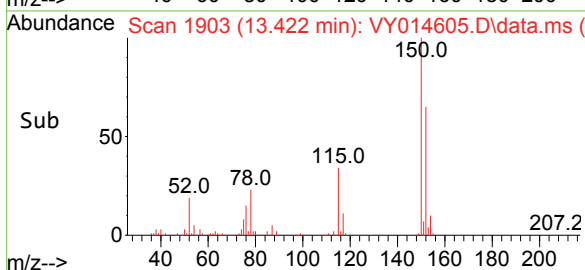
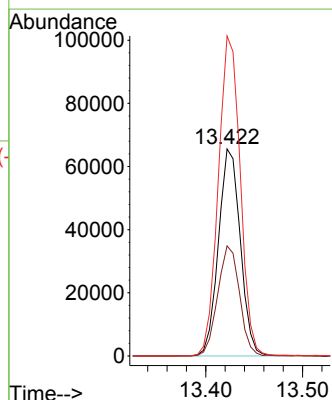
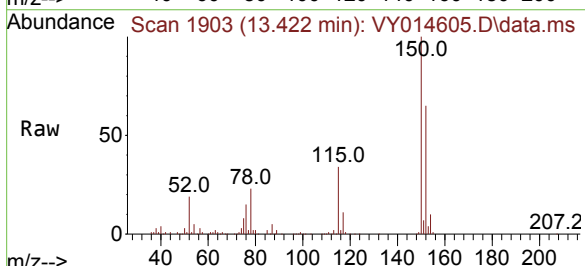
Tgt Ion:152 Resp: 102923

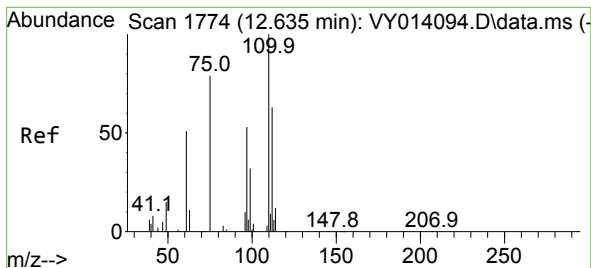
Ion Ratio Lower Upper

152 100

115 53.1 28.8 86.5

150 155.2 0.0 348.8

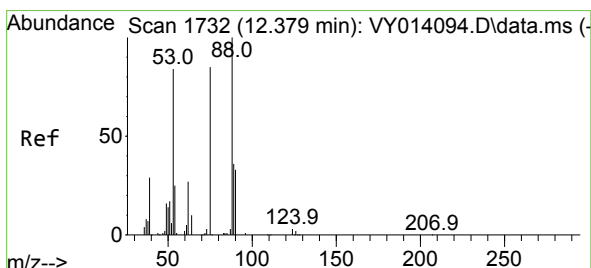
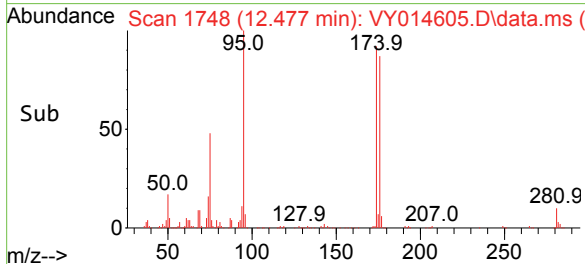
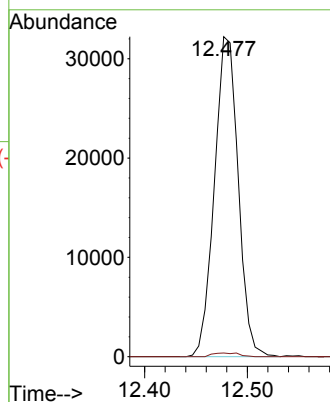
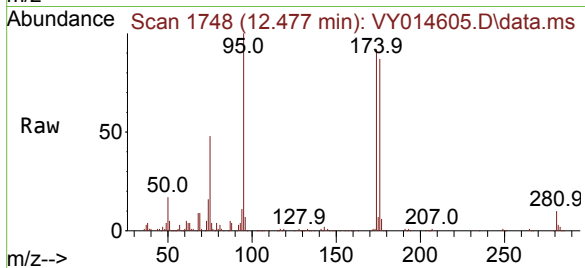




#76
1,2,3-Trichloropropane
Concen: 42.815 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. -0.158 min
Lab File: VY014605.D
Acq: 07 Jul 2023 18:30

Instrument :
MSVOA_Y
ClientSampleId :
VNJ-240

Tgt Ion: 75 Resp: 51710
Ion Ratio Lower Upper
75 100
77 1.3 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 83.335 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. 0.098 min
Lab File: VY014605.D
Acq: 07 Jul 2023 18:30

Tgt Ion: 75 Resp: 51710
Ion Ratio Lower Upper
75 100
53 0.2 77.8 116.8#
89 0.0 37.4 56.0#

